

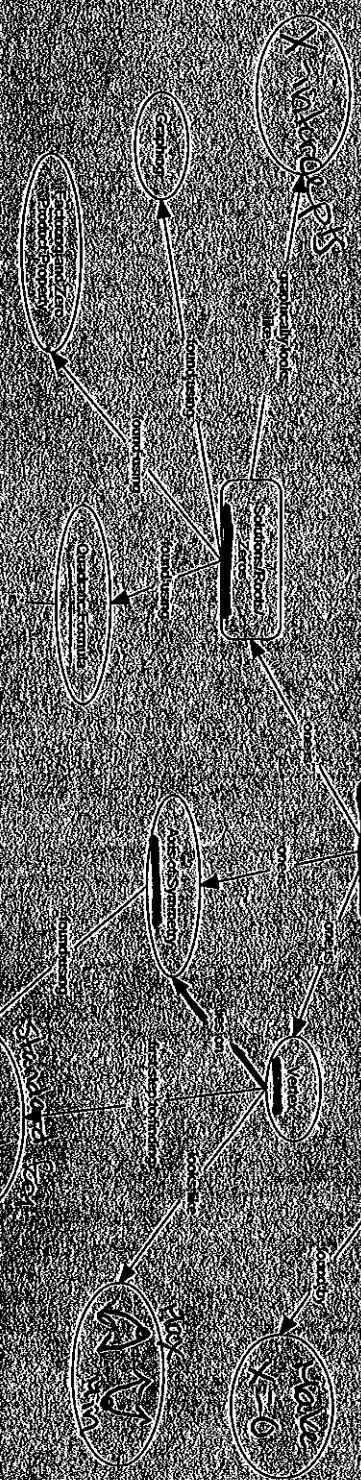
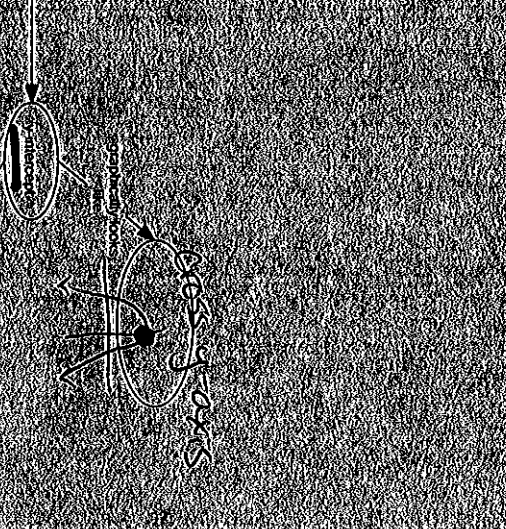
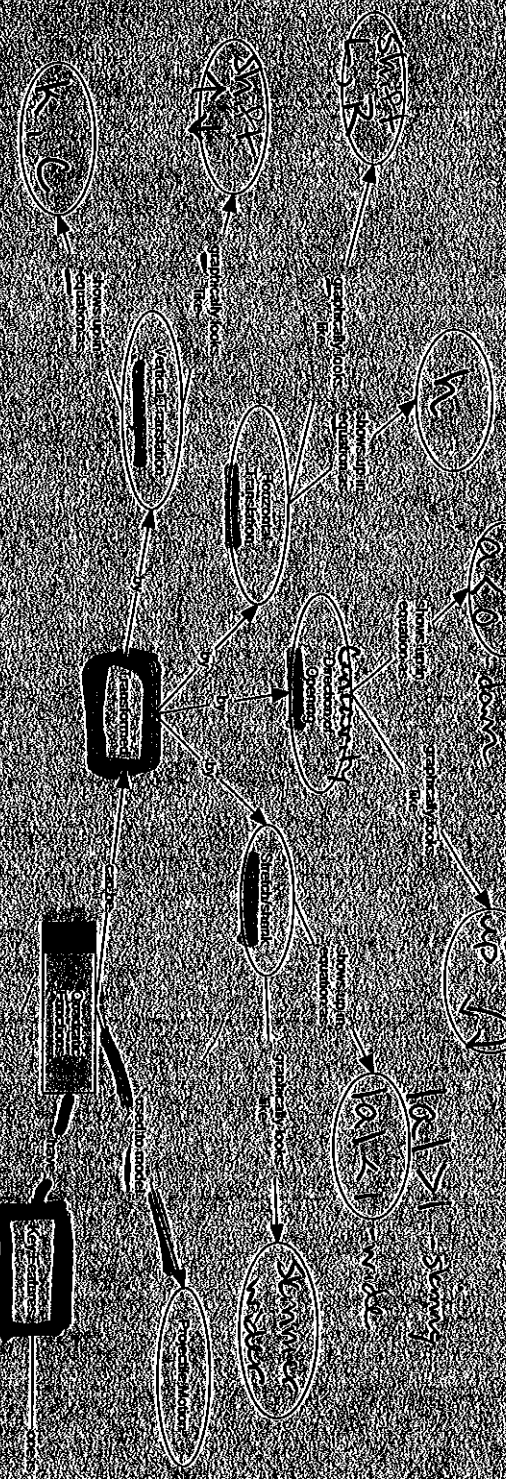
Quadratic Functions

Name _____
 Date _____
 Block _____

Vertex form $y = a(x-h)^2 + k$
 Standard form $y = ax^2 + bx + c$

$a > 0$ = up
 $a < 0$ = down

up \downarrow down
 $|a| > 1$ = skinny
 $|a| < 1$ = wide



$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Vertex form $y = a(x-h)^2 + k$
 AOS $x = h$